

--13. A test kit for detecting genetic abnormalities related to a gene in humans having at least in part the following nucleotide sequence:

GTCTACATGGGTGCTTCCCATTCCAGGGGATGAGCTACCTGGAGGATGTGCGGCTCG  
TACACAGGGACTTGGCCGCTCGGAACGTGCTGGTCAAGAGTCCCAACCATGTCAAAA  
TTACAGACTTCGGGCTGGCTCGGCTGCTGGACATTGACGAGACAGAGTACCATGCAG  
ATGGGGGCAACGTAGGTGAAGGACCAAGGAGCAGAGGAGGCTGGGTGGAGTGGTGT  
TAGCCCATGGGAGAACTCTGAGTGGCCACCTCCCCACAACACACAGTTGGAGGACTT  
CCTCTTCTGCCCTCCCAGGTGCCCATCAAGTGGATGGCGCTGGAGTCCATTCTCCGC  
CGGCGGTTCACCCACCAAGAGTGATGTGTGGAGTTATGGTGTGTGATGGGGGTGTTG  
GGAGGGGTGGGTGAGGAGCCATGG, said kit comprising containers containing  
specific nucleic acid probes of Claim 12 and instructions for performing  
test with said probes. --

--14. A method of diagnosing human cancer related to a gene having at least in part the following nucleotide sequence:

GTCTACATGGGTGCTTCCCATTCCAGGGGATGAGCTACCTGGAGGATGTGCGGCTCG  
TACACAGGGACTTGGCCGCTCGGAACGTGCTGGTCAAGAGTCCCAACCATGTCAAAA  
TTACAGACTTCGGGCTGGCTCGGCTGCTGGACATTGACGAGACAGAGTACCATGCAG  
ATGGGGGCAACGTAGGTGAAGGACCAAGGAGCAGAGGAGGCTGGGTGGAGTGGTGT  
TAGCCCATGGGAGAACTCTGAGTGGCCACCTCCCCACAACACACAGTTGGAGGACTT  
CCTCTTCTGCCCTCCCAGGTGCCCATCAAGTGGATGGCGCTGGAGTCCATTCTCCGC  
CGGCGGTTCACCCACCAAGAGTGATGTGTGGAGTTATGGTGTGTGATGGGGGTGTTG  
GGAGGGGTGGGTGAGGAGCCATGG comprising:

(a) detecting amplification rearrangement or over-expression of the gene by hybridizing nucleic acid derived from a tissue sample of a human suspected of said cancer with the nucleic acid probes of Claim 12; or

(b) detecting abnormal expression of the protein product of the gene by reacting a body sample of a human suspected of said cancer with antibodies of Claim 5. --